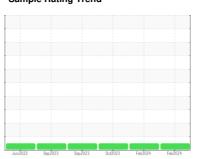


OIL ANALYSIS REPORT

Sample Rating Trend









PETRO CANADA DURON SHP 15W40 (5 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

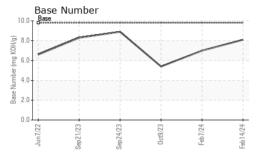
Fluid Condition

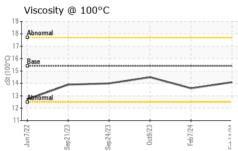
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Jun2022	oepzuza oepzuza	Oct2023 Feb2024	Feb2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0106683	GFL0106697	GFL0087255	
Sample Date		Client Info		14 Feb 2024	07 Feb 2024	09 Oct 2023	
Machine Age	hrs	Client Info		16760	16725	15430	
Oil Age	hrs	Client Info		520	567	0	
Oil Changed		Client Info		Changed	Changed	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINA	TION	method	limit/base	current	history1	history2	
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR META	LS	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>90	18	10	39	
Chromium	ppm	ASTM D5185m	>20	1	<1	1	
Nickel	ppm	ASTM D5185m	>2	<1	<1	0	
Titanium	ppm	ASTM D5185m	>2	<1	0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	3	4	3	
Lead	ppm	ASTM D5185m	>40	<1	0	0	
Copper	ppm	ASTM D5185m	>330	1	<1	3	
Tin	ppm	ASTM D5185m	>15	0	0	0	
Vanadium	ppm	ASTM D5185m		<1	<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	1	2	<1	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	63	59	57	
Manganese	ppm	ASTM D5185m	0	0	0	<1	
Magnesium	ppm	ASTM D5185m	1010	1066	983	887	
Calcium	ppm	ASTM D5185m	1070	1128	1085	990	
Phosphorus	ppm	ASTM D5185m	1150	1132	1089	918	
Zinc	ppm	ASTM D5185m	1270	1389	1344	1239	
Sulfur	ppm	ASTM D5185m	2060	3169	3234	2257	
CONTAMINA	NTS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	6	5	5	
Sodium	ppm	ASTM D5185m		7	4	10	
Potassium	ppm	ASTM D5185m	>20	<1	8	3	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.2	0.3	0.9	
Nitration	Abs/cm	*ASTM D7624	>20	7.6	8.7	13.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	19.0	26.2	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	15.6	23.9	
Base Number (BN)		ASTM D2896		8.1	7.0	5.4	
	39						



OIL ANALYSIS REPORT

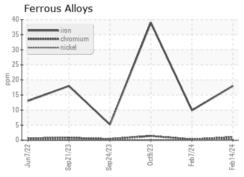


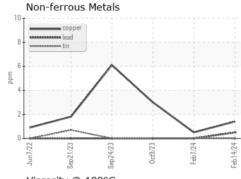


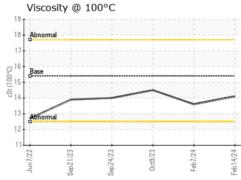
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

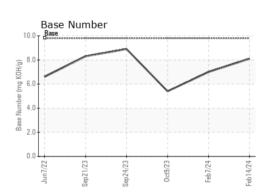
FLUID PROP	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	13.6	14.5

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number : 06092658 Unique Number : 10885511

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0106683

Received

Tested Diagnosed

: 19 Feb 2024 : 20 Feb 2024

: 20 Feb 2024 - Wes Davis

GFL Environmental - 405 - Arbor Hills

7400 Napier Rd NORTHVILLE, MI US 48168

Contact: Anthony Hopkins ahopkins@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:

F: